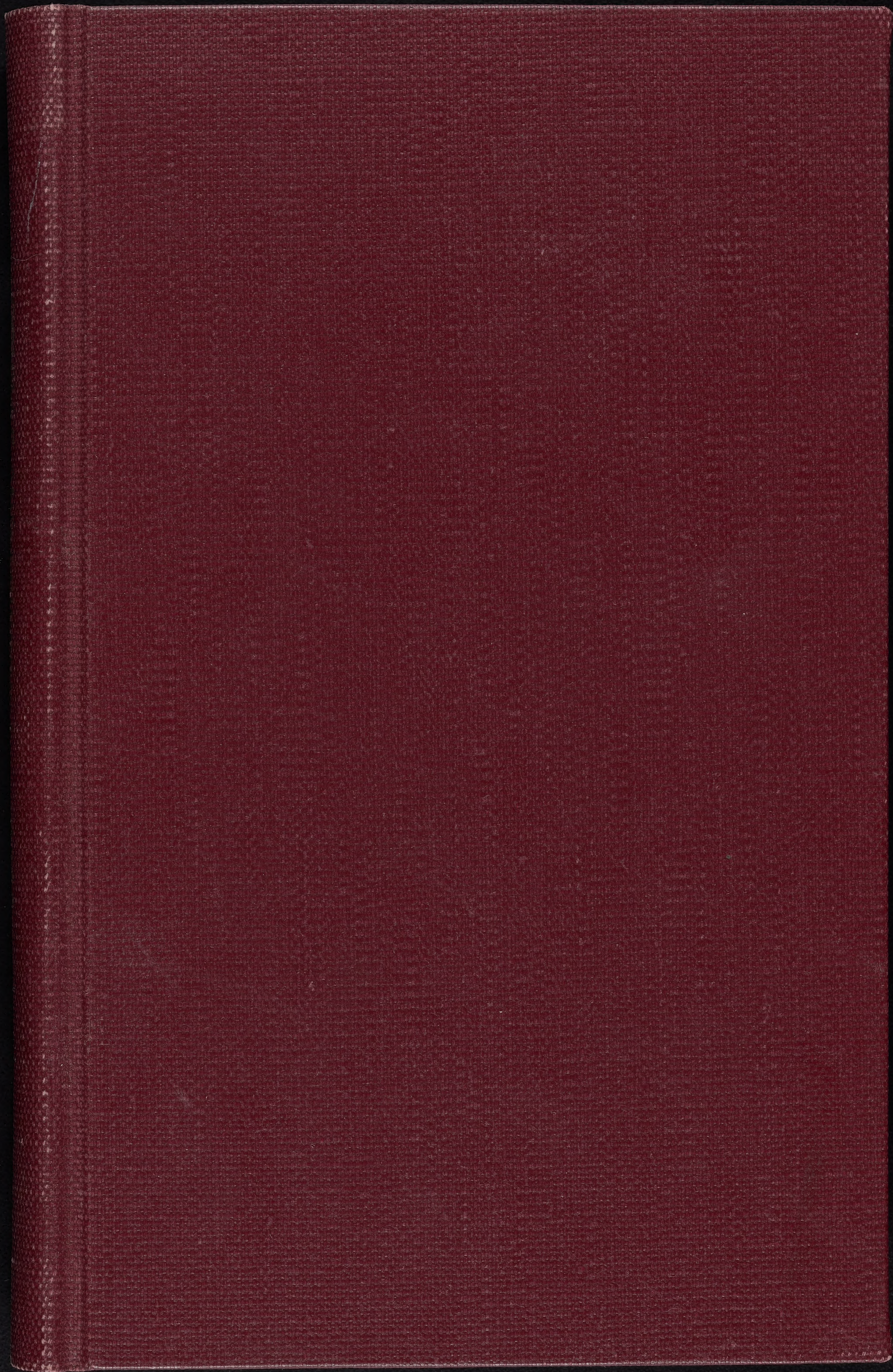
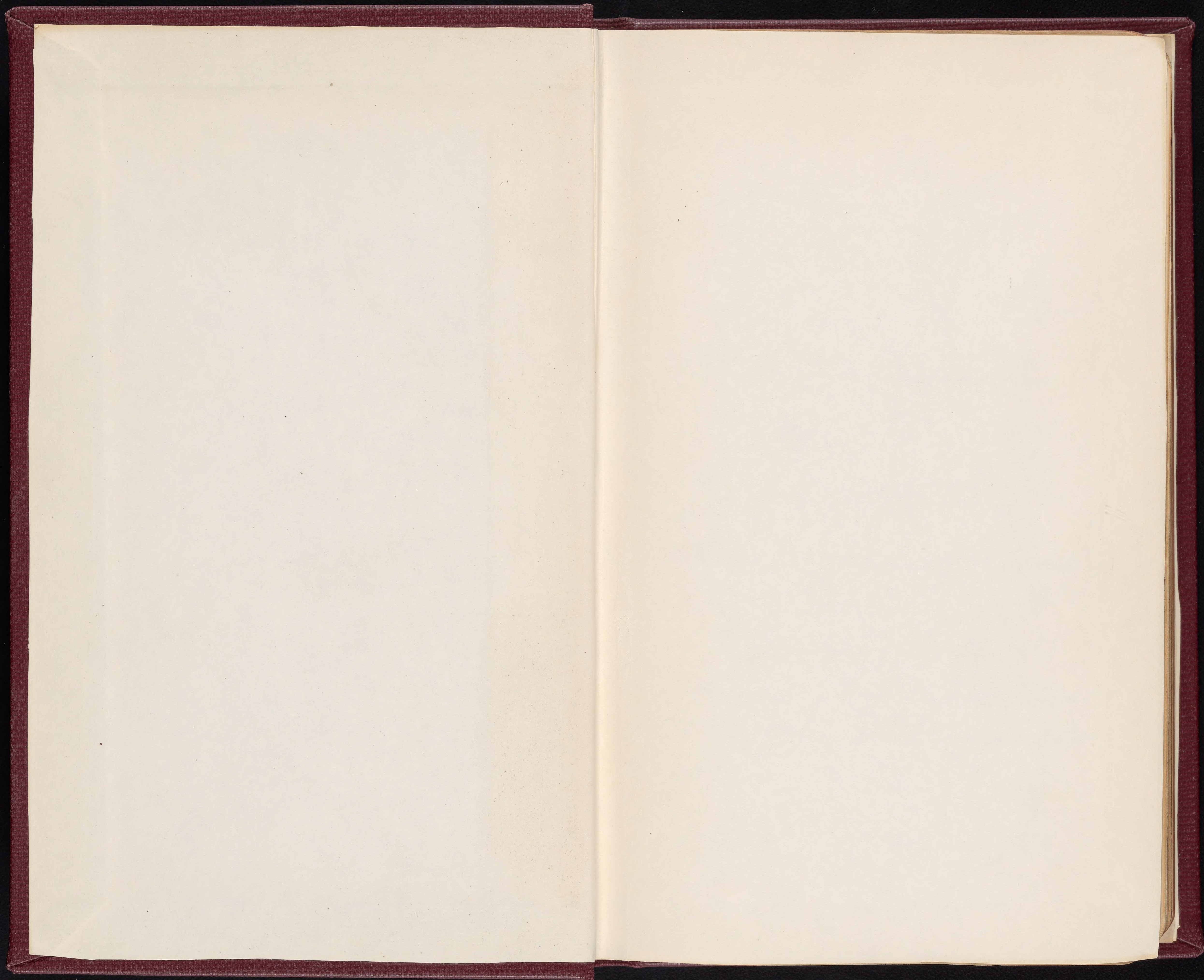






United States Department

of

Agriculture.

Catalogue of plants collected
by.

Robert B. Leiberg, Field agt. and
Frederick V. Coville, Botanist U. S.
Dept. of Agri., in Eastern Oregon.
in 1896.

Guano Ranch, Harney Co., 15
N. Klamath, Crater Lake Trip
included.

PLANTS OF CALIFORNIA.

No. FREDERICK V. COVILLE, } Collectors. , 1896.
 JOHN B. LEIBERG, }

PLANTS OF NEVADA.

No. FREDERICK V. COVILLE, } Collectors. , 1896.
 JOHN B. LEIBERG, }

PLANTS OF OREGON.

No. FREDERICK V. COVILLE, } Collectors. , 1896.
 JOHN B. LEIBERG, }

1. *Potentilla* ✓

Low grounds

2. *Streptanthus cordatus* Nutt. " "

Clayey hillsides

3. *Biscanwallia stricta* (Gray) Trelease.

Low grounds.

4. *Gayaphytum lasiospermum* Reent.

do.

5. *Phacelia* ✓

Dry hillsides

6. *Gilia Navarretia breweri* (Gray) Greene.

do.

7. *Hemizonia* ~~*Madia glomerata* Nutt.~~ ^{*glabra* Moench.} " "

Near streams

8. *Symphoricarpos rotundifolius* Gray.

do

9. *Monardella odoratissima* Benth.

do.

10. *Lygodesmia spinosa* Nutt.

Dry hillsides

11. *Aster adscendens* Lindl.

Low meadows

12. *Juncus orthophyllus* Coville.

do

13. *Polygonum watsoni* Small.

alkaline margins of swamps.

July 24.

New Greens Ranch. Harney Co. alt. m. 1400.

Sheet no. of sp. 2613.

" " " 1500 2614.

" " " 1400 2615.

" " " " 2616.

" " " " 2617.

" " " " 2618.

" " " " 2619.

" " " " 2620.

" " " " 2621.

" " " " 2622.

" " " 1400. 2623.

" " " " 2624.

" " " " 2625.

14.	<i>Cyperus inflexus</i> Muhl.	July 24.	New Guano Ranch, Harney Co.	alt. meters 1400.	Sheet no. of p. 2626
	Margins of swamps.				
15.	<i>Lilaea subulata</i> Humb. & Bonpl.	" "	" "	" "	2627.
2	Swamps in water 20 cm. deep.				
16.	<i>Utricularia vulgaris</i> L.	" "	" "	" "	2628.
3	do				
17.	<i>Carex gairdneri</i> Gray	" "	" "	" "	2629.
4	Low meadows				
18.	<i>Marilia vestita</i> Hook. & Grev.	" "	" "	" "	2630
	In running water				
19.	<i>Chaenactis douglasii</i> (Hook.) Hook. & Arn.	" "	" "	1443	2631
	Clay hills				263
20.	<i>Damasorium californicum</i> Torr.	" "	" "	1400	2632
	In running water.				
21.	<i>Gayophytum humosissimum</i> Torr. Gr.	" "	" "	" "	2633
	Sandy plains among <i>Artemisia</i> shrubs.				
22.	<i>Bigelovia filia</i>	" "	" "	" "	2634
	do.				
23.	<i>Bigelovia</i>	" "	" "	1500	2635
	Rocky, boulder strewn plains.				
24.	<i>Ligusticum</i>	25	Warner Range, Lake Co.	1800	2636
	Springy places				
25.	<i>Mertensia</i>	" "	" "	" "	2637
	do.				
26.	<i>Pyrola minor</i> L.	" "	" "	" "	2638
	do. in willow thickets.				

- | | | June 25. | Warner Range, Lake Co. | alt. meter. | sheet no. of sp. |
|-----|---|----------|------------------------|-------------|------------------|
| 27. | <i>Pyrola rotundifolia</i> L. | | | 1800 | 2639 |
| | Springy places in willow thickets | | | | |
| 28. | <i>Lupinus</i> ✓ | " " | " " | " " | 2640 |
| | Dry hill sides | | | | |
| 29. | <i>Carex</i> ✓ <i>ablata</i> Bailey. | " " | " " | " " | 2641 |
| | Wet places along creeks. | | | | |
| 30. | <i>Habenaria leucostachya</i> (Lindl.) Wats. | " " | " " | 1900 | 2642 |
| | do. | | | | |
| 31. | ~~Woodia~~ ✓ <i>Cystopteris fragilis</i> (L.) Bernh. | " " | " " | " " | 2643 |
| | do. | | | | |
| 32. | <i>Silene</i> ✓ | " " | " " | " " | 2644 |
| | Dry hill sides | | | | |
| 33. | <i>Nothocalais trifloroides</i> (Gray) Greene. | " " | " " | " " | 2645 |
| | In gravelly soil near creek. | | | | |
| 34. | <i>Sibbaldia procumbens</i> L. | " " | " " | 2080 | 2646 |
| | High, grassy slopes at foot of snowdrifts. | | | | |
| 35. | ~~Calandrinia~~ ✓ <i>Oreobroma nevadensis</i> (Gray) Howell. | " " | " " | 1875 | 2647 |
| | Springy places near creek. | | | | |
| 36. | <i>Carex</i> ✓ <i>aurea</i> Nutt. | " " | " " | " " | 2648 |
| | Wet soil | | | | |
| 37. | <i>Juncus</i> ✓ <i>confusus</i> Coville. | " " | " " | " " | 2649 |
| | do. | | | | |
| 38. | <i>Danthonia intermedia</i> Vasey. | " " | " " | " " | 2650 |
| | do. | | | | |
| 39. | <i>Agrostis scabra</i> Willd. | " " | " " | " " | 2651 |
| | do. | | | | |

- | | | July 25. | Warner Range, Lake Co. | alt. meters.
1875. | Sheet no. of Sp. |
|-----|--|----------|------------------------|-----------------------|------------------|
| 40. | <i>Pedicularis</i> ✓ <i>attollens</i> Gray. | | | | 2652. |
| | Spruzy ground. | | | | |
| 41. | <i>Botrychium</i> ✓ <i>simplex</i> E. Hitchcock. | " | " | " | 2653. |
| | Damp, grassy places near creeks | | | | |
| 42. | <i>Pyrocoma</i> ✓ <i>hirta</i> (Gray) Greene. | " | " | 1900 | 2654. |
| | Dry, grassy slopes | | | | |
| 43. | <i>Pyrocoma</i> ✓ <i>cusickii</i> (Gray) Greene. | " | " | " | 2655 |
| | do. | | | | |
| 44. | <i>Eriogonum</i> ✓ | " | " | " | 2656 |
| | Boulder strewn summits of range | | | | |
| 45. | <i>Sidalcea</i> ✓ <i>spicata</i> (Regel) Greene | " | " | 1700 | 2657 |
| | Near streams | | | | |
| 46. | <i>Ribes</i> ✓ | " | " | 1650 | 2658 |
| | Crevices of rocks. | | | | |
| 47. | <i>Arnica</i> ✓ | " | " | " | 2659 |
| | Along margins of streams in stony ground. | | | | |
| 48. | <i>Senecio</i> ✓ <i>integerrimus</i> Nutt. | " | " | " | 2660 |
| | do. | | | | |
| 49. | <i>Trifolium</i> ✓ | 26 | " | " | 2661 |
| | Turfy places near creeks. | | | | |
| 50. | <i>Minulus</i> ✓ | " | " | " | 2662 |
| | Rocky places " " | | | | |
| 51. | <i>Trifolium</i> ✓ <i>longipes</i> Nutt. | " | " | " | 2663 |
| | do. | | | | |
| 52. | <i>Helianthella</i> ✓ | " | " | " | 2664 |
| | Grassy margins of streams | | | | |

- | | | | alt. meters. | Sheet no. of spl. |
|-----|--|---------|-----------------------------------|-------------------|
| 53. | <i>Fraseria albicaulis</i> Dougl.
Along plains | July 26 | Near Warner Range, Lake Co. 1500. | 2665. |
| 54. | <i>Eupatorium occidentale</i> Hook. "
Crevices of rocks | " | " " | 2666. |
| 55. | <i>Adenostegia ramosa</i> (Benth) Green.
Along plains | " | " " | 2667 |
| 56. | <i>Alnus tenuifolia</i> Nutt. "
Along streams | " | " " | 2668 |
| 57. | <i>Eriogonum filifolium</i> (Hook.) Nutt. "
Grassy slopes | " | Warner Range 1550 | 2669 |
| 58. | <i>Eriogonum</i> V
do | " | " " | 2670 |
| 59. | <i>Kelloggia galioi</i> des Torr. "
Thickets of <i>Ceanothus velutinus</i> | " | " 2000 | 2671 |
| 60. | <i>Eriogonum</i> V
Grassy summit of range | " | " " | 2672 |
| 61. | <i>Arenaria congesta</i> Nutt. "
do. | " | " " | 2673 |
| 62. | <i>Orthocarpus filiosus</i> Wats. "
do. | " | " " | 2674 |
| 63. | ~~<i>Adenostegia</i>~~ <i>Eupatorium occidentale</i> Hook. "
Crevices of rocks | " | " " | 2675 |
| 64. | <i>Sedum</i> V
Grassy summit of range | " | " " | 2676 |
| 65. | <i>Astragalus hookerianus</i> (Torr. & G.) Dietr. "
do. | " | " " | 2677 |

66. <i>Sidalcea</i> ✓ Grassy summit fringe	July 26	Warner Range, Lake Co.	alt. elev. 1900	Sheet no. of sp. 2678.
67. <i>Rorippa</i> ✓ Alkaline soil near Guano Lake	" 27	Road to Coleman Valley	1400	2679.
68. <i>Emmenanthe parviflora</i> Gray - do.	" "	" "	" "	2680
69. <i>Polanogelon</i> ✓ <i>pectinatus</i> L. do Guano Lake	" "	" "	" "	2681
70. <i>Eriogonum</i> ✓ Clayey hillsides	" "	" "	1475	2682
71. <i>Tetradymia</i> ✓ <i>canescens</i> DC.	" "	" "	" "	2683.
do				
72. <i>Potentilla</i> ✓ do	" "	" "	" "	2684.
73. <i>Potentilla</i> ✓ <i>latiflora</i> Rydberg. Wet soil near creek	" "	" "	" "	2685.
74. <i>Riccia</i> do.	" "	" "	" "	2686
75. <i>Kochia americana</i> Wats. Alkaline soil.	28	Near Boat Corral, N.W. Nevada	" "	2687.
76. <i>Smelowskia</i> ✓ do.	" "	" "	" "	2688.
77. <i>Gilia</i> ✓ <i>micromeria</i> Gray. do.	" "	" "	" "	2689
78. <i>Suaeda</i> ✓ Wet margins of alkaline pools.	" "	" "	" "	2690

			alt. m.	Sheet no. of sp.
79. <i>Triglochin maritima</i> L.	July 28	Near Boat Canal N. W. Nevada	1375	2691.
Damp, alkaline soil				
80. <i>Juncus xiphioides scopulorum</i> Coville.	" "	"	1500	2692.
Springy places				
81. <i>Betula occidentalis</i> Hook.	"	"	"	2693.
do				
82. <i>Juncus ensifolius</i> Wiken.	"	"	"	2694.
do.				
83. <i>Gentiana affinis</i> Frisch.	"	"	"	2695.
do.				
84. <i>Castilleja acuminata</i> Nutt. (Pursh) Spreng.	"	"	"	2696.
do.				
85. <i>Gentiana helopetala</i> (Gray)	"	"	"	2697.
do.				
86. <i>Sisyrinchium angustifolium</i> Mill.	"	"	"	2698.
do.				
87. <i>Solidago spectabilis</i> Gray.	"	"	"	2699.
do.				
88. <i>Rorippa lyrata</i> (Nutt.) Greene.	29	Coleman Valley, N. W. Nevada	1850	2700.
Springy places				
89. <i>Aconitum columbianum</i> Nutt.	"	"	"	2701.
do.				
90. <i>Hypericum</i>	"	"	"	2702.
91. <i>Oreocarya</i> V.	"	"	1700	2703.
Grassy slopes.				

Sheet no. of sp.

72.	<i>Agropyrum vaseyi</i> S. & S. Grassy hillside	July 29	Poleman Valley. Nev.	alt m. 1700.	2704.
93.	<i>Antennaria geyeri</i> Gray. do.	"	"	"	2705.
94.	<i>Eriogonum</i> do.	"	"	"	2706.
95.	~~<i>Corydalis</i>~~ <i>Adenostegia capitata</i> (Nutt.) Greene. do.	"	"	1600	2707.
96.	~~<i>Alchemilla</i>~~ <i>Chrysanthemum</i> do.	"	"	1500	2708.
97.	<i>Lolium denticulatus</i> (Drew) Greene. Near creek on turfy soil.	"	"	1400	2709.
98.	<i>Jernica peregrina</i> L. do	"	"	"	2710.
99.	<i>Juncus bufonius</i> L. Wet soil.	"	"	"	2711.
100.	<i>Orthocarpus luteus</i> Nutt. Grassy places near creek	"	"	"	2712.
101.	<i>Senecio v. oleraceus</i> L. do.	"	"	"	2713.
102.	<i>Madia glomerata</i> Hook. <i>Sativa</i> Mohr. do.	"	"	"	2714.
103.	<i>Geranium carolinianum</i> L. do	"	"	"	2715.
104.	<i>Rumex crispus</i> L. do.	"	"	1350	2716.

9105. *Bisduvallia densiflora* (Lindl.) Wats. July 27. Cleman Valley. N.W. Nevada alt m. 1375.

Grassy meadows.

9106. *Vicia americana* Muhl.

do

9107. *Lotus americanus* (Nutt.) Bischof.

do.

9108. *Minulus breweri* (Greene) Coville.

Near Cheunus

9109. *Rumex persicarioides* L.

do.

9110. *Minulus pubescentae* Gray.

Wet places along creeks

9111. *Chenopodium glaucum* L.

do.

9112. *Ranunculus cymbalaria* Pursh.

do

9113. *Sporobolus heterophyllus* Nees.

Dry alkaline soil.

9114. *Lonicera orthophyllus* Coville.

Wet soil near creek

9115. *Gilia filifolia* Nutt.

Hillsides

9116. *Gayophytum*

do.

9117. *Wrightia mollis* Gray.

do.

2717.

2718.

2719.

2720.

2721.

2722.

2723.

2724.

2725.

2726.

2727.

2728.

2729.

118. *Abies concolor* (Lindl.) Lindl.

Northern hill slopes.

July 29

Coleman Valley N.W. Nevada alt. meters 1375

Sheet no. of sp.

2730.

119. *Nicotiana attenuata* Torr.

Dry soil

" 30

30 ft. Coleman Valley & Bidwell 1380

2731.

120. *Blepharipappus laevis* Gray -

Boulder strewn plains

" "

" " " " " "

2732.

121. *Tetradymia canescens* DC.

Grassy slope

" "

" " " " " 1600

2733.

122. *Urtica breves* Wats.

Damp thickets

" "

" " " " " "

2734.

123. *Rorippa* ✓

do.

" "

" " " " " "

2735.

124. *Phacelia samosissima* Dougl.

do.

"

"

"

2736.

125. *Clarkia rhomboides* Dougl.

do.

"

"

"

"

2737.

126. *Phacelia curvipes* Torr.

Dry hill slopes

"

"

"

"

2738.

127. ~~Phacelia~~ *Conium glomeratum* (Gray) Greene

do.

"

"

2739.

128. *Chaenactis nana* Gray.

Dry slopes on road to Summit of Coleman Valley -

"

"

1450

2740.

129. *Centaurea cyanus* L.

Old fields

" 31

Bidwell divide
Near New Pine Creek Lake Co. 1500

2741.

130. *Grindelia* ✓

do.

"

"

"

2742.

- | | | alt. meters | |
|--|---------------------|---------------------------------------|-------|
| 131. ~~Plerium~~ <i>Sanguisorba annua</i> (Nutt.) Torr. & Gr. July 31 | Low, grassy meadows | 1400 | 2743 |
| 132. <i>Linanthus hartnensis</i> (Curran) Greene. | do | " | 2744. |
| 133. <i>Biscutella densiflora</i> (Lindl.) Wats. | do | " | 2745. |
| 134. <i>Gentiana oregona</i> Engelm. | do | " | 2746. |
| 135. <i>Ceanothus prostratus</i> Benth. | Dry slopes | Divide at head of " 1750. | 2747. |
| 136. <i>Prunus subcordata</i> Benth. | do | " | 2748. |
| 137. <i>Mentzelia laevicaulis</i> (Wright) Torr. & Gr. | do | " | 2749. |
| 138. <i>Erigeron inornatus</i> Gray. | do | " | 2750. |
| 139. <i>Asclepias speciosa</i> Torr. | Wet adobe soil | 1500 | 2751 |
| 140. ~~Calystegia~~ <i>Convolvulus luteolus</i> Gray | Thickets | 1600 | 2752. |
| 141. <i>Blechnum pappus laevis</i> Gray. | Along hillsides | 1500 | 2753 |
| 142. ~~Quercus~~ <i>Carduus occidentalis</i> Nutt. | Dry slopes | Near Bidwell 1200 | 2754 |
| 143. <i>Arctostaphylos patula</i> Greene. Aug. | do | Bet. Lakeview and Drew's Valley 1500. | 2755 |

- | | | | alt. meters | sheet no. of sh. |
|--|-------|---------------------------------|-------------|------------------|
| 144. <i>Linum tenuis</i> Willd. | Aug 2 | Bet. Lakeview and Drew's Valley | 1450 | 2756. |
| Near streams | | | | |
| 145. <i>Ribes brachyanthum</i> (Gray) Little & Leiberg | | " | | 2757. |
| do | | | | |
| 146. <i>Gayophytum</i> | | " | 1460 | 2758. |
| Dry hillsides | | | | |
| 147. <i>Linum micranthum</i> Gray. | | " | | 2759. |
| do. | | | | |
| 148. <i>Scorzonella procera</i> (Gray) Greene. | | " | 1440 | 2760. |
| Low meadows | | | | |
| 149. <i>Xanthium</i> | | Near Lakeview | 1400 | 2761. |
| Waste places | | | | |
| 150. <i>Cuscuta subinclusa</i> Dur. & Hilg. | | " | | 2762. |
| Along roadsides in Bigelovia | | | | |
| 151. <i>Sagittaria arifolia</i> Nutt. | | Drew's Valley | 1560 | 2763. |
| Swampy meadows. | | | | |
| 152. <i>Gratiola elractata</i> Benth. | | " | | 2764. |
| do. | | | | |
| 153. <i>Brodiaea lactea</i> (Lindl.) Wats. | | " | | 2765. |
| do | | | | |
| 154. <i>Orthocarpus bracteatus</i> Benth. | | " | | 2766. |
| Low meadows | | | | |
| 155. <i>Trifolium Beckwithii</i> Brewer. | | " | | 2767. |
| do. | | | | |
| 156. <i>Sparganium simplex</i> Huds. | | " | | 2768. |
| Swampy meadows | | | | |

			alt. meters.	sheet no. of sp.
1	157. <i>Cicuta</i> ✓ Swampy meadows	Aug 2. Drews Valley	1560	2769.
2	158. <i>Veronica</i> <i>scutellata</i> L. do.	" "	"	2770.
3	159. <i>Senecio</i> do.	" "	"	2771.
4	160. <i>Ranunculus</i> <i>repens</i> L. do	" "	"	2772.
5	161. <i>Carex</i> <i>whitneyi</i> Olney. Open, east. mt. slopes	" 3 Cougar Peak	2200	2773.
6	162. ~~<i>Synthyris</i>~~ <i>Wulfenia</i> <i>reniformis</i> Dougl. Crevices of rocks.	" "	"	2774.
	163. <i>Pentstemon</i> ✓ Open, east. slopes	" "	"	2775.
	164. <i>Arctostaphylos</i> <i>nevadensis</i> Gray! do.	" "	"	a. 2776.
	165. <i>Valeriana</i> do.	" "	"	b. 2776.
	166. <i>Castanopsis</i> <i>chrysophylla</i> (Dougl.) A.C. do. do.	" "	"	2777.
	167. <i>Galium</i> <i>aparine</i> L. Swampy soil	" "	1650.	See No. 2778.
	168. <i>Agoseris</i> <i>gracilentia</i> (Gray) Greene do.	" "	"	2779.
	169. <i>Lupinus</i> <i>rivularis</i> Dougl. do.	" "	"	2780.

				alt. elev.	Sheet no. of sp.
1	170. <i>Carex</i>	Aug 3.	Cougar Peak	1650	2782.
	Swampy ground near springs				
2	171. <i>Lupinus calcaratus</i> Kellogg.	"	"	"	2783.
	Dry slopes				
3	172. <i>Nemophila</i>	"	"	"	2784.
	Low, springy places.				
4	173. <i>Minulus frutiferus</i> Gray.	"	"	"	2785.
	do				
5	174. <i>Cerastium</i>	"	"	2200	2786.
	Dry, open or grassy slopes.				
6	175. <i>Cuscuta californica</i> Choisy.	"	"	1690	2787.
	Damp situations, on grasses etc.				
7	176. <i>Crepis acuminata</i> Nutt.	"	"	"	2788.
	Dry slopes				
8	177. <i>Crepis intermedia</i> Gray.	"	"	1690	2789.
	do				
9	178. <i>Eriogonum</i>	"	"	"	2790.
	do				
10	179. <i>Ribes cereum</i> Pursh.	"	"	"	2791.
	do.				
11	180. <i>Gayophytum</i>	"	"	"	2792.
	do				
12	181. <i>Gayophytum lasiospermum</i> Greene.	"	"	"	2793.
	do.				
13	182. <i>Convolvulus luteolus</i> Gray	"	"	"	2794.
	do				

			alt. meters	alt. meters	alt. meters
1	183. Lotus robustus Coville & Luby.	Aug 3. on gas Peak.	1640	2795.	
	Dry mountain slopes.				
2	184. Hieracium cynoglossoides Arct-Touret.			2796.	
	do.				
3	185. Sedum V	" "	1900	2797.	
	Rocky slopes				
4	186. Gilia V	" "	"	2798.	
	Damp soil.				
5	187. Chinaphila umbellata (L.) Nutt.	" "	"	2799.	
	do.				
6	188. Potentilla ~~multicaulis~~ Wats.	" "	"	2800	
	~~pet~~ mountain meadows				
	189. Danthonia californica unispicata	" "	"	2801	
	do.				
	190. Ranunculus alismellus (Gray) Greene.	" "	"	2802.	
	do.				
	191. ~~Spizantia~~ ^{Gyrostegia} Hornem. aff. (Cham) Mac	" "	"	2803	
	do.				
	192. Arnica demissa canescens Greene.	" "	"	2804.	
	do.				
	193. Juncus orthophyllus Coville.	" "	"	2805	
	do.				
	194. Ranunculus septentrionalis Pursh.	" "	"	2806	
	do.				
	195. Sphorobolus gracillima	" "	"	2807	
	do.				

			alt. meters	sheet no. of sl.
196.	<i>Ranunculus</i> ✓ Wet mountain meadows	Aug 3, Conger Peak.	1900	2808.
197.	<i>Osmorhiza</i> ✓ <i>nuda</i> Torr. Dry slopes	" "	1920	2809.
198.	<i>Crepis</i> <i>intermedia</i> Gray - do.	" "	"	2810.
199.	<i>Frutillaria</i> <i>atropurpurea</i> Nutt. do.	" "	"	2811.
200.	<i>Erigeron</i> ✓ do.	" "	"	2812.
201.	<i>Prodean</i> <i>lactea</i> (Lindl.) Wats. Damp soil.	" "	"	2813.
202.	<i>Orthocarpus</i> <i>hispidus</i> Benth. Swamps	" "	"	2814.
203.	<i>Pentstemon</i> <i>daiversonii</i> Greene. Dry slopes	" "	2250	2815.
204.	<i>Gayophytum</i> ✓ do.	" "	1900	2816.
205.	<i>Sidalcea</i> <i>spicata</i> (Regel) Greene. Near springs in wet soil	" "	"	2817.
206.	<i>Minulus</i> <i>promuloides</i> Benth. do.	" "	"	2818.
207.	~~<i>Chamaenerion</i>~~ <i>Mertensia</i> <i>marginata</i> (Nutt.) Don. do.	" "	"	2819.
208.	<i>Lonicera</i> <i>involuta</i> (Richardson) Banks. do	" "	"	2820.

			alt. metres.	Sheet no. of sh.
1	209. Arnica ✓ New mountain swamps in wet soil	aug 3, Cougar Peak,	1900	2821.
2	210. Carex raynoldsii Dew. do	" "	"	2822.
3	211. ~~Festuca~~ Poa arctica R. Br. do.	" "	"	2823.
4	212. Trifolium longipes Nutt. do.	" "	"	2824.
5	213. Alsine umbellata do.	" "	"	2825.
6	214. Erigeron satuginosus (Richardson) Gray do.	" "	"	2826.
7	215. Trifolium longipes Nutt. do.	" "	"	2827.
8	216. Acritium columbinum Nutt. do.	" "	"	2828.
9	217. Catha leptosepala DC. In mountain swamps.	" "	"	2829.
10	218. Decathea tetrandrum Sukst. do.	" "	"	2830.
11	219. Pedicularis groenlandica Raf. do.	" "	"	2831.
12	220. Pinus murrayana B.S.P. N.E. Mt Slopes.	" "	2050	2846.
13	221. Pinus lambertiana monticola Dougl. do.	" "	1850	2847.

			alt. meters.	Sheet no. of sp.
1.	222. <i>Pinus albicaulis</i> Engelm. Summit of mountain in rocky ground.	Aug 3 Conger Peak	2210.	2848
2.	223. <i>Silene oregana</i> Wats. Dry mountain slopes.	" "	1650	2778
3.	224. <i>Potamogeton natans</i> L. Water holes	" 4 Quartz Valley	1600	2832
4.	225. <i>Solidago</i> Low grounds near stream	" "	"	2833
5.	226. <i>Ribes ~~oxyacanthoides~~ saxosum</i> (Hook) C. C. do.	" "	"	2834
6.	227. <i>Agrostis asperifolia</i> Trin. do.	" "	"	2835
7.	228. <i>Potamogeton natans</i> L. Water holes	" "	"	2836
8.	229. <i>Fontinalis Neo-Mexicana</i> Field N. R. M. do.	" "	"	2837
9.	230. <i>Elatine triandra</i> Schk. Mud shores of stream	" "	"	2838
10.	231. <i>Silene</i> Low meadows	" "	"	2839
11.	232. <i>Sidalcea parviflora</i> Greene. do.	" "	"	2840
12.	233. <i>Stentilla flabelliformis</i> Lehm. do.	" "	"	2841
13.	234. <i>Artemisia ludoviciana</i> Nutt. do.	" "	"	2842

- | | | | alt. meters. | Sheet no. of |
|----|---|----------------------------------|---------------------|--------------|
| 1. | 235. ~~Chenopodium~~ <i>Chenopodium album</i> L. Meadows. Aug. Quarry Valley | | 1600 | 2843. |
| 2. | 236. ~~Gyrostachys~~ <i>Gyrostachys Romanzoffiana</i> (Cham.) Mac M. do. | " | " | 2844. |
| 3. | 237. <i>Aster</i> ~~ascendens~~ <i>ascendens</i> Lindl. do. | " | " | 2845. |
| 4. | 238. <i>Trichostema oblongum</i> Benth. 5 Bottom of dried up pools. | Bet. Bly & N. Fork Sprague River | 1460 | 2849. |
| 5. | 239. <i>Polygonum amphibia</i> L. Dry slopes | " | " | 2850. |
| 6. | 240. <i>Linum micranthum</i> Gray. do. | " | " | 2851. |
| | 241. ~~Physalis~~ <i>Sonchella hispida</i> (Gray) Green " & sandy hillside in Condo, or a timber | " | " | 2852. |
| | 242. <i>Cucurbitus</i> ✓ do. | " | " | 2853. |
| | 243. <i>Lupinus</i> Low grounds | " | On road east of Bly | 1520 2854. |
| | 244. <i>Gerardia douglasii</i> Hook. Creek banks | " | " | 2855. |
| | 245. <i>Senecio Gendleri</i> Gray. do. | " | " | 2856. |
| | 246. <i>Rhamnus alnifolia</i> L. Her. do. | " | " | 2857. |
| | 247. <i>Utricularia vulgaris</i> L. Waterholes. | " | " | 2858. |

	248. <i>Minulus frimuloides</i> Benth	Aug 6. Fork of Sprague River	alt. meters 1400	Sheet no of Sp. 2859.
1.	Banks of stream.			
	249. <i>Fumiculus</i> ✓	"	"	2860.
	do.			
2.	250. <i>Stachys</i>	"	"	2861.
	do.			
3.	251. <i>Pentstemon holopetalus</i> (Gray)	"	"	2861
	do			
4.	252. <i>Lupinus barkeri</i> Wats.	"	"	2862
	do.			
5.	253. <i>Aster</i> ✓	"	"	2863
	do.			
6.	254. <i>Eriogonum</i> ~~<i>canadense</i>~~ <i>oregonum</i> Watson.	"	"	2864.
	Dry, stony slopes.			
	255. <i>Arnica</i> ✓	Payhart Buttes	2400	2865.
	Mt slopes in loose talus.			
	256. <i>Phacelia hydrophyllifolia</i> Torr.	"	"	2866
	Open or barrowed slopes in loose soil.			
	257. <i>Epilobium</i> <i>obcordatum</i> Gray	"	2300	2867.
	Talus slopes.			
	258. <i>Pentstemon deustus</i> Dougl.	"	"	2868.
	Crevices of rocks			
	259. <i>Gayophytum</i> ✓	"	2400	2869.
	Loose soil in <i>P. albicaulis</i> forest.			
	260. <i>Pyrola</i> <i>dentata</i> Smith	"	1950	2870
	Dry slopes.			

- | | | alt meters | Sheet no. of sp. |
|----|--|--------------------------------|------------------|
| 1. | 261. <i>Oreobroma</i>
Loose soil in <i>P. albicaulis</i> forest | Aug. 8 Gayhart Buttes
2420. | 2871. |
| 2. | 262. <i>Arabis</i>
do. | " " " | 2872. |
| 3. | 263. <i>Orthocarpus</i>
Damp, rocky slopes | " " 1750 | 2873. |
| 4. | 264. <i>Sambucus leiosperma</i> Leibergh.
do. | " " 2350 | 2874. |
| 5. | 265. <i>Pyrola picta</i> Smith.
do. | " " 1800 | 2875. |
| 6. | 266. <i>Monardella villosa glabella</i> Gray
do. | " " 2100 | 2876. |
| | 267. <i>Bryanthus empetriformis</i> (Smith) Gray
do. | " " 2350 | 2877. |
| | 268. <i>Lonicera conjugialis</i> Kellogg.
Dry slopes in <i>P. ponderosa</i> forest. | " " 1900 | 2878. |
| | 269. <i>Cassia feta</i> Bailey.
Spongy places in do | " " " | 2879. |
| | 270. <i>Juncus spicatus</i> (L.) Kunth.
Damp Mt. Slopes | " " 2250 | 2880. |
| | 271. <i>Isotria medeoloides</i> Engelm.
Bottom of alpine lakelets | " " " | 2881. |
| | 272. <i>Macroneura discolorum</i> Nutt.
Crevices of rocks. | " " 2400 | 2882. |
| | 273. <i>Bithucella uniflora</i> (Kellogg)
Ledges of rock in shallow soil. | " " 2200 | 2883. |

- | | | alt. meters | Sheet no. 6
57. |
|-----|---|-------------|--------------------|
| 1. | 274. <i>Cuscuta acrostichoides</i> R. Br. Aug 8 Gayhart Butte.
<i>Crevices frodo</i> | 2250 | 2884. |
| 2. | 275. <i>Rubus parviflorus</i> Nutt.
Damp soil in <i>P. ponderosa</i> forest. | 1850 | 2885. |
| 3. | 276. <i>Pyrola ashylla</i> Smith
do | " | 2886. |
| 4. | 277. <i>Festuca Bromus orcuttianus</i> Vasey
do. | " | 2887. |
| 5. | 278. <i>Chimaphila umbellata</i> (L.) Nutt.
do. | " | 2888. |
| 6. | 279. <i>Cardamine lyallii</i> Wats.
Banks of Mt. streams | " | 2889. |
| 7. | 280. <i>Gilia aggregata</i> (Pursh) Spreng!
Dry mountain slopes | 2100 | 2890. |
| 8. | 281. <i>Larix laricina</i> Bailey
do. | " | 2891. |
| 9. | 282. <i>Lor</i>
Rocky slopes | 2250 | 2892. |
| 10. | 283. <i>Orthocarpus</i>
do. | " | 2893. |
| 11. | 284. <i>Senecio fremontii</i> Torr. & Gr.
do. | " | 2894. |
| 12. | 285. <i>Amica</i>
do. | " | 2895. |
| 13. | 286. <i>Helianthus</i> in <i>Helianthus lactucina</i> (Gray) Greene.
Sandy soil in <i>Perocarpus</i> forest. | 1570 | 2896. |

	287. <i>Oenothera laudromedea</i> Nutt. Aug. 9. Gaylord Butte.	alt. elevations. 1700.	Sheet no. of st. 2897.
1.	Dry soil in <i>P. ponderosa</i> forest.		
	288. <i>Linnaea borealis</i> L.	"	2898.
	Shady places in do		
2.	289. <i>Adenocaulon bicolor</i> Hook.	"	2899.
	do.		
3.	290. <i>Arnica parryi</i> Gray.	"	2900.
	do.		
4.	291. <i>Lilium washingtonianum</i> Kellogg.	"	2901.
	do.		
5.	292. <i>Fragaria virginiana</i> Mill.	"	2902.
	do.		
6.	293. <i>Arabis arcuata</i> (Nutt.) Gray.	1800	2903.
	do.		
7.	294. <i>Allium</i>	"	2904.
	Damp meadows.		
	295. <i>Minulus moschatus</i> Dougl.	2200	2905.
	do.		
	296. <i>Prunus albicaulis</i> seedlings	"	2906.
	Mt. slopes		
	297. <i>Juncus nevadensis</i> Wats.	"	2907.
	do.		
	298. ~~Oreocarya~~ <i>Platanus megarhiza</i> Pamp.	"	2908.
	Talus slopes		
	299. <i>Cheilanthes gracillima</i> A. L. Eaton.	"	2910.
	Crevices of rocks.		

No. 2909. no specimen for this no.

1.
2.
3.
4.
5.
6.

300. ~~Hebe~~ *Cystopteris fragilis* (L.) Bernh.
Crevices of rocks.
301. *Pellaea breweri* D.C. Eaton.
do.
302. *Spraguea*
loose soil on mt. slopes.
303. *Oxyria digyna* (L.) Hill.
Crevices of rocks
304. *Ribes* V
do.
305. *Ranunculus*
Wet meadows.
306. *Arabis*
do.
307. *Potentilla fruticosa* (Walt.) Ryd.
do.
308. *Labium glauca microphylla* Hook.
do.
309. *Pinus albicaulis* Engelm.
Mt. summits.
310. *Abies concolor* (Gord.) Lindl.
mountain slopes
311. ~~Stephanandra~~ *Thelypodium howellii* Wats.
alkaline soil.
312. *Tanacetum potentilloides* Gray
do.

Aug. Gaylord Butte

"

"

"

"

"

"

"

"

"

"

"

"

alt. elev. 2200

2450

1820.

Central portion of Sprague River Valley 1220

Sheet no. of sk. 2911.

2912.

2913.

2914.

2915.

2916.

2917.

2918.

2919.

2920.

2921.

2922.

2923.

			alt meters	Sheet no. of Sh.
1.	313. <i>Aster lasiocaudus</i> Lindl. River banks.	Aug Central portion of Sprague River valley.	1220	2924
2.	314. <i>Helianthus autumnale</i> L. do.	" " "	"	2925
3.	315. <i>Aster</i> ✓ do.	" " "	"	2926
4.	316. <i>Ceratophyllum</i> ✓ In the river, in water 50 cm. deep.	" " "	"	2927
5.	317. <i>Linum</i> dry plains.	" " "	"	2928
6.	318. ~~<i>Alisma</i>~~ <i>Phytolacca cana densa</i> In river, in shallow water	" " "	"	2929
7.	319. <i>Callitriche bifida</i> (L.) Morong. do	" " "	"	2930
	320. ~~<i>Cystopteris</i>~~ <i>Allocarya mollis</i> (Gray) Greene Low, subalkaline meadows.	" " "	"	2931
	321. <i>Gayophytum nuttallii</i> Torr & G. Dry soil	" " <i>Chiloquin</i> ~~Indian~~ bridge	1140	2932
	322. <i>Gayophytum nuttallii</i> Torr. & G. do	" " "	"	2933
	323. <i>Nyctophyllum verticillatum</i> L. On Sprague River	" " "	"	2934
	324. <i>Potamogeton robbinsii</i> Baker. do.	" " "	"	2935
	325. Dry plains	" Above "	"	2936

326. *Colydon oregonensis* Wats.

Rocky hillside

Aug 12 1911 Pole Bridge, road to Clear Lake.

alt. elev. 1520.

sheet no. of
sh. 2937.

327. ~~Allen~~ *Encyphalus covillei* Greene

do.

"

"

2938.

328. *Holodiscus discolor* (Pursh) Maxim.

do.

"

"

2939.

329. *Streptopus amplexifolius* (L.) DC.

Wet, shady canyon

"

1730.

2940.

330. *Viola purpurea* Kellogg.

do.

"

"

2941.

331. *Brickellia formosa* (Andr.) Coville

do.

"

"

2942.

332. *Viola glabella* Nutt.

do.

"

"

2943.

333. *Streptopus roseus* Max.

do.

"

"

2944.

334. *Carex auriculata* Bailey.

do.

"

"

2945.

335. *Habenaria gracilis* (Lindl.) Watson.

do.

"

"

2946.

336. *Polygonum bistortoides* Pursh.

do.

"

"

2947.

337. *Stellaria Alsine borealis* (Bigelow) Britton

do. in spring soil.

"

"

2948.

338. *Lupinus circularis* Dougl.

do.

"

"

2949.

			alt. meters	Sheet no. & sp.
1.	339. <i>Mitella breweri</i> Gray. Wet and shady cañons.	Aug 12 near Pole Bridge, road to Crater Lake	1730	2950.
2.	340. <i>Rubus lasiococcus</i> Gray do.	"	"	2951.
3.	341. <i>Ribes erythrocarpum</i> Coville & Seiberg. Dry, wooded slopes in do.	"	"	2952.
4.	342. <i>Juncoides glabratum</i> (Hoff.) Sheldon do.	"	"	2953.
5.	343. <i>Vaccinium membranaceum</i> Gray do.	"	"	2954.
6.	344. <i>Epilobium angustidifolium</i> Lam. Wet and shady cañons.	"	"	2955.
	345. <i>Carex oregonensis</i> Bailey do.	"	"	2956.
	346. <i>Juncus subtriflorus</i> (E. Mey.) Coville do.	"	"	2957.
	347. <i>Viola nuttallii</i> Pursh Pumice sand near camp.	13 Camp at Crater Lake.	2185	2958.
	348. <i>Polygonum newberryi</i> Small. do.	"	"	2959.
	349. <i>Arenaria punicola</i> Coville & Seiberg do.	"	"	2960.
	350. <i>Hieracium gracile</i> Hook. do.	"	"	2961.
	351. <i>Saxifraga Tolmieri</i> Torr. & Gr. Rocky slopes.	" Along trail to lake	2000	2962.

	352. <i>Vaccinium scoparium</i> Condit & Leach ^{at. meles} Crater Lake Camp 2000 2963.
1.	Rocky slopes
	353. <i>Lutkea pectinata</i> (Pursh) Kuntze " " 2964.
	do.
2.	354. <i>Cyrtola secunda</i> L. " " 2965.
	do.
3.	355. <i>Oenothera newberryi</i> Gray. " " 2966.
	do.
4.	356. <i>Mitella pentandra</i> Hook. " " 2967.
	do.
5.	357. <i>Acer glabrum</i> Torr. " " 2968.
	do.
6.	358. <i>Juncus mertensianus</i> Bong. " " 2969.
	do.
7.	359. <i>Hieracium gracile</i> Hook " " 2970.
	do.
8.	360. <i>Corallorhiza mertensiana</i> Bong. " " 2971.
	do.
9.	361. <i>Lilium connallarioides</i> (Sw.) Torr. " " 2972.
	do. on mainland also on Wizard Island Aug 14.
	362. <i>Arnica cordifolia</i> Hook. " " 2973.
	do.
	363. <i>Chimaphila menziesii</i> Spreng. " " 2974.
	do.
	364. <i>Abies alnobetula</i> (Ehrh) K. Koch " " 2975.

- | | | | alt. elev. | sheet no. of sh. |
|------|--|----------------------------|------------|------------------|
| 365. | <i>Arnica parviflora</i> Gray. | Aug 13 Camp at Crater Lake | 2000. | 2976. |
| 1. | Rocky slopes | | | |
| 366. | <i>Saxifraga noothkana</i> Moe. | " | | 2977. |
| | do. | | | |
| 2. | 367. <i>Ribes erythrocarpum</i> Coville & Liebm. | " | | 2978. |
| | do. | | | |
| 3. | 368. <i>Trifolium Kingii</i> Wats. | " | | 2979. |
| | Rocky banks of stream | | | |
| 4. | 369. <i>Penicillium martinalei</i> C. & R. | " | | 2980. |
| | Rocky ledges & slopes | | | |
| 5. | 370. <i>Sambucus leiosperma</i> Liebm. | " 14 | 2250 | 2981. |
| | do. | | | |
| 6. | 371. <i>Penicillium triangularis</i> Hook. | " | | 2982. |
| | do. | | | |
| 7. | 372. <i>Arnica chamissonis</i> Less. | " | | 2983. |
| | do. | | | |
| 8. | 373. <i>Polygonum shastense</i> Brewer. | " | | 2984. |
| | do. | | | |
| 9. | 374. <i>Fulsatilla occidentalis</i> (Wats.) Fernald. | " | | 2985. |
| | do. | | | |
| 10. | 375. <i>Agoseris barbellulata</i> Greene | " | | 2986. |
| | Pumice Plains | | | |
| 11. | 376. <i>Polemonium pulchellum</i> Benth. | " | | 2987. |
| | Crevices of rocks | | | |
| 12. | 377. <i>Pedicularis racemosa</i> Dougl. | " | | 2988. |
| | Banks of stream | | | |

		alt meters	Sheet no. & sp.
1	378. <i>Ribes</i> <i>Vergethrocarpum</i> Coville <i>Healy</i> Camp at Crater Lake Rocky slopes	2260	2989.
2	379. <i>Bromus</i> <i>brevianatus</i> Buckl. " Pumice sand slopes	"	2990.
3	380. <i>Castilleja</i> <i>parviflora</i> Bong. " do.	"	2991.
4	381. <i>Arnica</i> <i>latifolia</i> Bong. " Rocky slopes.	"	2992.
5	382. <i>Pucedanum</i> <i>montindalei</i> C. & R. do. Wizard Island	1900	2993.
6	383. <i>Eriogonum</i> <i>kyrolaeifolium</i> <i>coryphaeum</i> Torr. & Gr. do. do.	"	2994.
	384. <i>Carex</i> <i>breweri</i> Booth. " Pumice sand slopes.	2500	2995.
	385. <i>Allopora</i> <i>virgata</i> Torr. & Gr. " do in <i>Suga pattoniana</i> forest	1900	2996.
	386. <i>Gyrola</i> <i>dentata</i> Smith. " do.	"	2997.
	387. <i>Pucedanum</i> <i>montindalei</i> C. & R. Rocky slopes. main land	2200	2998.
	388. <i>Juncoides</i> <i>parviflorum</i> (Ehrh.) Coville do	"	2999.
	389. <i>Epilobium</i> <i>glaberrimum</i> <i>fastigiatum</i> (Pursh) Trelease Spongy places	2400	3000.
	390. <i>Silene</i> <i>montana</i> Wats. " Talus slopes. Cathedral Rocks.	"	3001.

	391. <i>Epilobium homerocanni</i> Reichb. ^{Aug 14. Camp at Crater Lake} alt. ^{melior} 2350 ^{Sp. 2002.}	
1.	Springy places.	
	392. ~~Physalis~~ <i>Panicularia pauciflora</i> (Presl.) Kunt. " 2003.	
2.	do	
	393. <i>Epilobium clavatum</i> Trelease " 2004.	
3.	do.	
	394. <i>Vagnera simplexicaulis</i> (Nutt.) Greene. " 2005.	
4.	Talus slopes.	
	395. <i>Aconitum columbianum</i> Nutt. " 2006.	
5.	Springy places	
	396. <i>Salix glauca villosa</i> (Hook.) Anders. " 2050 2007.	
6.	Banks of mountain streams	
	397. <i>Valeriana kitchensis</i> Bong. " " 2008.	
7.	do.	
	398. <i>Railioidella argentea</i> Gray. " " 2400 2009.	
8.	Rocky summits	
	399. <i>Kalmia glauca microphylla</i> Hook. " 2050 2010.	
9.	Wet mountain meadows	
	400. <i>Infolium longipes</i> Nutt. " " 2011.	
10.	do.	
	401. <i>Sambucus leiosperma</i> Libery. " " 2012.	
11.	Rocky slopes	
	402. <i>Potentilla gelida flabellifolia</i> (Hook.) Ryd. " " 2013.	
12.	Mountain meadows	
	403. <i>Orthocarpus pilosus</i> Wats. " " 2014.	
13.	Among sand slopes	

			alt. meters	Sheet no of sp.
1.	404. <i>Orthocarpus pilosus</i> Wats.	Aug 14 Camp at Crater Lake.	2100	3015.
	<i>Pumice sand slopes</i>			
2.	405. <i>Collomia tinctoria</i> Kellogg.	" 15 "	1870.	3016.
	<i>Damp meadows and slopes.</i>			
3.	406. <i>Anaphalis Antennaria margaritacea</i> (L.) Hook.	" "	"	3017
	<i>Dry slopes.</i>			
4.	407. <i>Vaccinium caespitosum</i> Mx.	" "	"	3018
	<i>Wet, springy mountain meadows.</i>			
5.	408. <i>Senecio</i> ✓ —	" "	"	3019.
	<i>do.</i>			
6.	409. <i>Rudbeckia occidentalis</i> Nutt.	" "	"	3020.
	<i>do.</i>			
	410. <i>Sagina occidentalis</i> Wats.	" "	"	3021.
	<i>do.</i>			
	411. <i>Dracopis Deschampsia atropurpurea latifolia</i> (Hook) Scrib.	" "	"	3022.
	<i>do.</i>			
	412. <i>Alama prostrata Canadensis acuminata</i> Vasey	" "	"	3023.
	<i>do.</i>			
	413. <i>Carex vulgaris alpina</i> Booth.	" "	"	3024
	<i>do.</i>			
	414. <i>Madia bolanderi</i> Gray	" "	"	3025
	<i>do.</i>			
	415. <i>Vaccinium</i> <i>leptophyllum</i>	" "	"	3026
	<i>do.</i>			
	416. <i>Tofieldia occidentalis</i> Wats.	" "	"	3027

417. *Angelica* ✓
Wet mountain meadows.
418. *Epilobium alpinum* L.
do.
419. *Trifolium longipes* Nutt.
do.
420. *Pewstemon confertus procensus* (Graham) Cov.
do.
421. *Senecio triangularis* Hook.
do.
422. *Veronica alpina* L.
do.
423. *Bronus Sukodorfii* Vasey.
Dry Mountain slopes
424. *Claytonia lanceolata* Pursh.
Wet, shady places in Picea forest
425. *Arabis platysperma* Gray.
Crevices of rocks
426. *Arabis* ✓ *cardamine pachyphylla* C. & L.
do.
427. *Hibiscus nana* Gray.
Crider slopes.
428. *Bryanthus glanduliflorus* Gray.
Crevices of rocks
429. *Collomia magnum* Crüll.
Wet mountain slopes and meadows

Aug 15 Camp at Crater Lake.

alt. m. elev.
1870.

Sheet no. of
57 - 6

3028.

3029.

3030.

3031.

3032.

3033.

3034.

3035.

3036.

3037.

3038.

3039.

3040.

1890

1900

2300

2400

1870

- | | | alt. meters | Sheet no. offh. |
|---|---------------------------------------|----------------------------------|-----------------|
| 430. <i>Lamunculus eschscholtzii</i> Cham. & Schlecht. ² | Crevices of rocks. | 2200 | 3041. |
| 431. <i>Antennaria alpina</i> (L.) Gaertn. | | " | 3042. |
| 432. <i>Phacelia heterophylla</i> Pursh. | ~~magellanica~~ (Lam.) Coville | " | 3043. |
| | Loose soil on mt. slopes. | | |
| 433. <i>Trisetum subspicatum</i> (L.) Beauv. | | " | 3044. |
| 434. <i>Gnaphalium microcephalum</i> Nutt. | Dry soil in ponderosa forest. | Road from " to Klamath Fort 1600 | 3045. |
| 435. <i>Pseudoguga mucronata</i> (Raf.) Sudw. | | " | 3046. |
| 436. <i>Libocedrus decurrens</i> Torr. | | " | 3047. |
| 437. <i>Spiraea arbuscula</i> Greene | Near Mt. streams | Near Crater Lake 2100 | 3048. |
| 438. <i>Veratrum viride</i> Ait. | Pumice sand slopes | " | 3049. |
| 439. <i>Clintonia uniflora</i> (Menz.) Fentl. | Along mountain streams. | " 2000 | 3050. |
| 440. <i>Gentheria vancouverensis</i> Hook. | | " | 3051. |
| 441. <i>Abies nobilis</i> Lindl. | Forest. | " 2100 | 3052. |
| 442. <i>Abies concolor</i> (Ford) Lindl. | | " 2000. | 3053. |

- | | | | alt. meters | Sheet no of sp. |
|--|--------|------------------|-------------|-----------------|
| 443. <i>Abies lasiocarpa</i> (Hook.) Nutt. | Aug 19 | near Crater Lake | 2100 | 3054. |
| Forests | | | | |
| 444. <i>P. monticola</i> Dougl. | " | " | 1800 | 3055. |
| do. | | | | |
| 445. <i>P. murrayana</i> Balf. | " | " | 1950 | 3056. |
| do. | | | | |
| 446. <i>Scirpus</i> ✓ | " 21 | Ft Klamath | 1250 | 3057. |
| Shores of upper Klamath Lake (Witch-hair) | | | | |
| 447. <i>Urtica</i> ~~<i>gambelii</i> Brit.~~ <i>brevifolia</i> Wats. fide Coville | " | " | " | 3058. |
| do. | | | | |
| 448. <i>Symphoricarpos</i> ✓ | " | " | " | 3059. |
| Hillsides along do. | | | | |
| 449. <i>Plantago</i> <i>major</i> L. | " | " | " | 3060. |
| Roadsides | | | | |
| 450. <i>Euphorbia</i> <i>serpyllifolia</i> Pers. | " | " | " | 3061. |
| do. | | | | |
| 451. <i>Suaeda pattonii</i> — (Jeffer.) Coville. | 29 | Near Crater Lake | 2110 | 3062. |
| Mt Slopes | | | | |
| 452. <i>Pinus ponderosa</i> Dougl. | " 21 | Ft Klamath | 1250 | 3063. |
| Pumice soil | | | | |
| 453. <i>Pinus lambertiana</i> Dougl. | " 20 | Near " | 1400 | 3064. |
| Forests | | | | |
| 454. <i>Juncobatus</i> <i>vermiculatus</i> (Hook.) Torr. | " | " | 1250 | 3065. |
| alkaline soil. | | | | |
| 455. <i>Artemisia</i> ✓ | " | " | " | 3066. |
| Plains | | | | |

- | | | | | |
|---|---|----------------|-----------------|-------------------------|
| 1 | 456. <i>Lagophylla</i> <i>ramosissima</i> Nutt. & Gray | New Ft Klamath | alt. elev. 1250 | sheet No. 8
Sh. 3067 |
| 2 | Dry forest area | | | |
| 3 | 457. ~~<i>Bignonia</i>~~ <i>Chrysothamnus</i> <i>gracileus</i> (Nutt.) Green | " | " | 3068 |
| 4 | do. | " | " | |
| 5 | 458 <i>Artemisia</i> <i>cana</i> Pursh. | " | " | 3069 |
| 6 | Low alkaline soil. | | | |
| 7 | 460 <i>Juniperus</i> <i>nevadensis</i> Wats | dry 2 | (2728) | |

